

Message Text

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PAGE 01 JOHANN 01070 281342Z

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ACTION INT-08

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FM AMCONSUL JOHANNESBURG

TO SECSTATE WASHDC 3069

INFO AMEMBASSY PRETORIA

LIMITED OFFICIAL USE JOHANNESBURG 1070

FOR BUREAU OF MINES - NAHAI

E.O. 11652: N/A

TAGS: EMIN, SF

SUBJECT: REQUEST FOR ANALYSIS OF LOCALLY DEVELOPED MOTOR FUEL

1. A LOCAL PRIVATE RESEARCH-CHEMIST HAS DEVELOPED A PETROLEUM-ADDITIVE AND TWO HYDRO-FUEL COMPOUNDS WHICH HAVE BEEN SUCCESSFULLY TESTED BY THE CHEMICAL ENGINEERING DEPARTMENT OF THE UNIVERSITY OF PRETORIA AND A REPUTABLE JOHANNESBURG FIRM OF MOTOR ENGINEERS. THE DEVELOPER IS NOW UNDER CONTRACT TO NIGEL GOLD MINING COMPANY WHOSE OFFICIALS HAVE GIVEN MINERALS OFFICER MURCHINSON A TOTAL OF TEN AND ONE HALF LITRES OF THE THREE COMPOUNDS. NIGEL REQUESTS NO PUBLICITY OR DISSEMINATION OF INFORMATION WITHOUT THEIR PRIOR APPROVAL, BUT WELCOMES ANALYSIS AND TEST BY U.S. GOVERNMENT FACILITY IF RESULTS ARE COMMUNICATED TO MURCHISON.

2. MATERIAL PRESENTLY IN JOHANNESBURG CONSULATE CONSIST OF FLAMMABLE LIQUID IN TWO FIVE LITRE METAL CANS AND APPROXIMATELY TWO AND ONE HALF LITRES IN A GLASS BOTTLE. ONE FIVE LITRE MUXTURE IS A PETROLEUM-ADDITIVE WHICH CAN BE MIXED WITH STANDARD AUTO FUEL IN A RATION OF 1 PART TO 75 PLUS PARTS OF PETROLEUM. ACCORDING TO UNIVERSITY OF PRETORIA TESTS MILEAGE INCREASES OF OVER 30 PERCENT WERE RECORDED WITH

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PAGE 02 JOHANN 01070 281342Z

MINIMUM EXHAUST EMISSIONS. ADDITIVE IS ALSO SAID TO BE

ANTI-CORROSIVE. SECOND FIVE LITRE QUANTITY IS A HYDRO-FUEL WHICH CAN BE USED IN PURE FORM OR DULUTED WITH UP TO 25 PERCENT WATER (NON-SALINE BUT NOT NECESSARILY DISTILLED). PRETORIA TESTED IN DILUTIONS OF 5, 10, 15 AND 25 PERCENT TAP WATER AND REPORTED NORMAL PERFORMANCE AS MOTOR FUEL. THE BOTTLED TWO AND ONE HALF LITRE MIXTURE IS A "MATURING WATER FUEL" CONTAINING 95 PERCENT WATER. IT IS APPARENTLY ALLOWED TO FERMENT FOR 24 HOURS AFTER MIXING, AND SHOULD BE FILTERED BEFORE USE.

3. NIGEL GOLD MINING COMPANY'S MANAGING DIRECTOR SAYS THE TWO HYDRO-FUELS CAN BE PRODUCED AT A TOTAL COST OF R0.20 PER GALLON. THE COMPANY IS NOT REPEAT NOT SEEKING ANY FINANCIAL ASSISTANCE BUT IN VIEW POTENTIAL EFFECT ON PETROLEUM INDUSTRY AND PLATINUM MINING IS RELUCTANT TO CARRY OUT MORE LOCAL TESTING FOR FEAR OF PUBLICITY LEAKS. NIGEL THEREFORE AGREED TO MURCHISON'S SUGGESTION THAT MATERIAL BE INVESTIGATED BY U.S. BUREAU OF MINES ENERGY DIVISION PETROLEUM LABORATORY.

4. ACTION REQUESTED: IF THERE IS INTEREST IN A STUDY BY USG FACILITY, PLEASE TELEGRAPH INSTRUCTIONS FOR PACKING AND MEANS OF FORWARDING TO APPROPRIATE U.S. ADDRESS.
FOLEY

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